

3/15/04

* Cave Connection fee
application (no check)
+ letter to
Brian Couch

A. Dees

**PASSAIC VALLEY SEWERAGE COMMISSIONERS
APPLICATION FOR LETTER OF AUTHORIZATION
AND / OR
CONTRACTUAL INDIRECT DISCHARGE AGREEMENT**

INDUSTRIAL	120-492			
8110	8115	8120	8125	8205
MAR 05 2004				

SECTION A

<u>Check One</u>
<input checked="" type="checkbox"/> Groundwater Cleanup
<input type="checkbox"/> Well Pump Test
<input type="checkbox"/> Construction Water
<input type="checkbox"/> Stormwater
<input type="checkbox"/> Other (List)

1. Name of Company / or Property applying for discharge: Honeywell International, Inc.

2. Location: 441 Route 440 S

Jersey City

New Jersey 07305

3. Mailing Address: Honeywell International, Inc.

101 Columbia Rd Nichols 3

Morristown, NJ 07962

4. Person to contact concerning information provided in this application:

Name of Contact Official: Philip Herzbrun

Title: IRM Manager

Address: c/o Honeywell International, Inc. 101 Columbia Rd Nichols 3
Morristown, NJ 07962

Phone#: 973-455-3597

Fax#: 973-455-4005

5. If consultant is being used for this discharge provide:

Name: ParsonsAddress: c/o Honeywell International, Inc.
101 Columbia Rd Nichols 3, Morristown, NJ 07962Phone#: 973-455-3597Fax#: 973-455-4005Contact: Philip Herzbrun

6. Person or Company responsible for payment of Treatment Fee and /or Connection Fee:

Name: Honeywell International, Inc.Address: 101 Columbia Rd
Morristown, NJ 07962Phone#: 973-455-4003Fax#: 973-455-30827. Does Company have NJPDES Permit? Yes ☒ No; If yes, list all: (include whether the Permit is for a discharge to surface water or to groundwater):No

7a. If the answer to #7 was yes, why is application being made to discharge the wastewater to the sanitary sewer? _____

SECTION B

Brief Description of Operation:

1. What type of operation resulted in the contamination, and what are the expected contaminants?: Prior disposal of COPR (chromium ore processing waste)
The primary contaminant is hexavalent chromium
2. What is the anticipated duration of discharge? Five years
3. Is there an existing sewer connection on site? Yes – No, If no, explain how wastewater will be conveyed to the sewer? At present, there is not an existing sewer connection on this site. Honeywell proposes to tie into an existing manhole which exists on Rt 440, as per suggestions by the JCMUA.
(Discharge must enter a combined or sanitary sewer only)
4. What is the total amount of volume expected to be discharged: See cover letter
5. What is the estimated average daily flow in (gallons per minute) GPM: 30 GPM for first year
(Note: Non-resettable meter must be used to measure the volume)
6. Describe any pretreatment expected to be used to treat the waste stream:
At the present time, the only pretreatment which is envisioned for this phase of the site remediation is pH adjustment with acid to a pH less than 10.5
7. Provide a description of the final sample point *(Example: Sample point is located in building #1 in the discharge pit).* Sample point is located on southern portion of site after the pH adjustment system.

SECTION C

1. Attach Diagram of the Property showing:
 - a. Discharge location
 - b. Treatment system
 - c. Sample point(s) (PVSC requires accessibility to install a sampler)
 - d. Non-resettable flowmeter
 - e. Identify well or well #'s being pumped.
2. Details of connection (s) to the municipal (or PVSC) sewer, including the distance and direction of each connection from the nearest street intersection.
- 2 a. Is or was an NJDEP Treatment Works Approval (TWA) required (Yes or No)?
 If so, was it submitted to PVSC? A TWA is required and will be submitted once it is obtained.

SECTION D

1. Analysis of wastewater expected to be discharged. If wastewater will be pretreated, analyze sample after pretreatment.

Shallow Groundwater Well MW-U14 (Lab Analysis WC-110503-1) (attached)

Parameter	Results (mg/l) Report to the nearest hundredth: 0.XX Except where indicated. Example: 0.36 mg/l
(Cd) Cadmium	<0.0004
(Cu) Copper	0.0042
(Pb) Lead	0.0045
(Ni) Nickel	0.0059
(Zn) Zinc	<0.0058
(Hg) Mercury (<i>Report to 0.XXX</i>)	<0.0001
(Mo) Molybdenum	<0.0018
Chlorides	25.3
(BOD) Biochemical Oxygen Demand (<i>Report to XXX.</i>)	<5.0
(TSS) Total Suspended Solids (<i>Report to XXX.</i>)	<10.0
(pH) Standard Units	12.23 (will be pretreated to <10.5)
(TPH) Total Petroleum Hydrocarbons	<1.0
(VOC) Volatile Organic Compounds	Method 624
Toluene	0.0038
Benzene	0.0020
Ethylbenzene	0.0006
All others are below detection limit	

Note: Analysis of discharge parameters shall be performed by a laboratory that has been certified by the State of New Jersey. Company is required to submit all certified lab analyses. Analysis sheets for VOC must identify all analytes individually and must be reported to the method detection levels. PVSC reserves the right to require additional analyses if it deems it necessary.

2. Date samples taken: November 5, 2003

3. Name of Laboratory certified by NJDEP to conduct all required analysis:
Severn Trent Laboratories, Inc.

SECTION D

1. Analysis of wastewater expected to be discharged. If wastewater will be pretreated, analyze sample after pretreatment.

North Swale- Under Liner Flow (Lab Analysis WC-110503-2) (attached)

Parameter	Results (mg/l) Report to the nearest hundredth: 0.XX Except where indicated. Example: 0.36 mg/l
(Cd) Cadmium	<0.0004
(Cu) Copper	0.032
(Pb) Lead	0.0048
(Ni) Nickel	0.0085
(Zn) Zinc	0.0122
(Hg) Mercury (<i>Report to 0.XXX</i>)	<0.0001
(Mo) Molybdenum	0.0034
Chlorides	22.4
(BOD) Biochemical Oxygen Demand (<i>Report to XXX.</i>)	<5.0
(TSS) Total Suspended Solids (<i>Report to XXX.</i>)	13.0
(pH) Standard Units	11.8 (will be pretreated to <10.5)
(TPH) Total Petroleum Hydrocarbons	<1.0
(VOC) Volatile Organic Compounds	Method 624
Toluene	0.0053
All others are below detection limit	

Note: Analysis of discharge parameters shall be performed by a laboratory that has been certified by the State of New Jersey. Company is required to submit all certified lab analyses. Analysis sheets for VOC must identify all analytes individually and must be reported to the method detection levels. PVSC reserves the right to require additional analyses if it deems it necessary.

2. Date samples taken: November 5, 2003

3. Name of Laboratory certified by NJDEP to conduct all required analysis:
Severn Trent Laboratories, Inc.

SECTION E**CERTIFICATION:**

The information contained in this application is familiar to me and, to the best of my knowledge and belief, such information is true, complete and accurate.

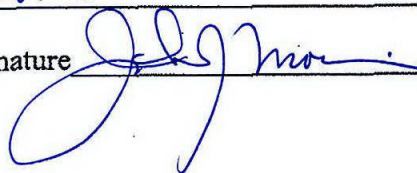
Name of signing official: John Morris

Print Name

Title: Remediation Portfolio Director

Date: 3/4/04

Signature



DONALD TUCKER
CHAIRMAN

CARL S. CZAPLICKI, JR.
VICE CHAIRMAN

ANTHONY W. ARDIS
FRANK J. CALANDRIELLO
ALAN C. LEVINE
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KENNETH R. PENGITORE
THOMAS J. POWELL
COMMISSIONERS



Passaic Valley
Sewerage Commissioners

100th Anniversary
1902 - 2002

600 WILSON AVENUE
NEWARK, NJ 07105
(973) 344-1800
Fax: (973) 344-2951
www.pvsc.com

ROBERT J. DAVENPORT
EXECUTIVE DIRECTOR

JAMES KRONE
DEPUTY EXECUTIVE DIRECTOR

JOSEPH A. FERRIERO
CHIEF COUNSEL

LOUIS LANZILLO
CLERK

Industrial Fax: (973-344-4876)

RECEIPT

RECEIVED FROM

Honeywell International

AMOUNT OF PAYMENT

950.00

DATE OF PAYMENT

3/5/04

A/ MR-1 , MR-2 REPORT DUE ON _____ (LATE REPORT)

B/ SV FINE, CONSENT ORDER (EFFLUENT VIOLATION)

C/ SEWER USE APPLICATION FEE \$ 750.00

GROUNDWATER APPLICATION FEE \$ 750.00

LETTER OF AUTHORIZATION \$ 200.00

PERMIT FEE PER YEAR \$ 300.00

PERMIT FEE PER YEAR \$ 600.00

OTHER \$ _____

PAYMENT RECEIVED BY:

SIGNATURE

Tanesha Dominguez

AMOUNT

950.00

DATE

4/5/04

**PASSAIC VALLEY SEWERAGE COMMISSIONERS
APPLICATION FOR LETTER OF AUTHORIZATION
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INDUSTRIAL	120-492
8110	8115 8120 8125 8205
MAR 05 2004	

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Jersey City

New Jersey 07305

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101 Columbia Rd Nichols 3

Morristown, NJ 07962

THIS MULTI-TONE AREA OF THE DOCUMENT CHANGES COLOR GRADUALLY AND EVENLY FROM DARK TO LIGHT WITH DARKEST AREAS BOTH TOP AND BOTTOM.

WELLS FARGO

GRAND JUNCTION, COLORADO 81502-8291/1021

Honeywell

HONEYWELL INTERNATIONAL INC. 101 COLUMBIA ROAD MORRISTOWN, NJ 07962-1219

9514748

PAY Nine Hundred Fifty Dollars And 00 Cents*****

AMOUNT

*****950.00

DATE

10/24/03

TO THE ORDER OF

PASSAIC VALLEY SEWERAGE COMMISS
600 WILSON AVE
NEWARK, NJ 07105

John Kelly
AUTHORIZED SIGNATURE

⑈09514748⑈ ⑆102100918⑆ 606 0019350⑈



INDUSTRIAL	120-492
8110	8115 8120 Form SCF-03-05
MAR 05 2004	

Sewer Connection Submittal Requirement Checklist

*Initial as
enclosed*

- 1) PAH Name, address, telephone number and contact person for the applicant, owner, and project location in the fields provided on the opposite side of this list. Engineers may provide a letter of Transmittal including the same in lieu of this form.
- 2) PAH Detailed description of project and sketch of sewer connection point(s) plus any relevant detail sketches.
- 3) N/A Endorsement of project by municipality (if applicable)
- 4) Pending Endorsement of project by local sewer authority (if applicable)
- 5) PAH Appropriate payment of sewer connection fee to PVSC as calculated from the attached Sewer Connection Fee Calculation Sheet. Payment should be in the form of a check or money order made payable to "Passaic Valley Sewerage Commissioners." Please write project name in the check memo line or call this office to be assigned a file #.
- 6) Pending For those projects requiring a Treatment Works Approval (TWA) from the New Jersey Department of Environmental Protection, the following shall also be submitted:

_____ Copy of the Treatment Works Approval application (TWA-1)

_____ Copy of the Statements Of Consent form (WQM-003)

_____ Copy of the Engineer's Report (WQM-006)

_____ Copy of the Site Plan showing all underground facilities

The PVSC Sewer Connection Application Package shall consist of all of the above, as a minimum, to be considered complete. The review process by PVSC will not commence until the complete package, including connection fee payment, is received.

Completed Application Packages should be forwarded to:

Passaic Valley Sewerage Commissioners
600 Wilson Avenue
Newark, NJ 07105
Attention: Louis Lambe, Connection Program Coordinator
Phone: (973) 817-5706
Fax: (973) 344-4876

Submitted by: _____

(signature)

John Morris

(print name)

3/4/04
(date)

Revised: (7/7/03)

Page 1 of 4



Form SCF-03

Applicant, Owner, Project Information**1.) APPLICANT:**

NAME: Honeywell International, Inc. CONTACT: John Morris
ADDRESS: Honeywell International, Inc. 101 Columbia Rd Meyers 3
CITY: Morristown STATE: NJ ZIP: 07962
PHONE #: 973-455-4003 FAX #: 973-455-3082

2.) OWNER (IF DIFFERENT FROM APPLICANT):

NAME: ECARG, Inc. CONTACT: William Miller
ADDRESS: 441 Rt 440S
CITY: Jersey City STATE: NJ ZIP: 07305
PHONE #: 901-820-2028 FAX #: 901-820-2061

3.) PROJECT:

ADDRESS: 441 Rt 440S
CITY: Jersey City STATE: NEW JERSEY ZIP: 07305
BLOCK: 1290.A LOT: 14.H and 14.J

DESCRIPTION: This site is underlain with COPR (chromium ore processing residue) to a depth of about 20 feet. This is the source of chromium in the seepage water and on-site shallow groundwater.

Wastewaters are generated from ongoing remedial activities.



Form SCF-03

Sewer Connection Fee Calculation Sheet

* *Connected Flow = sum of all daily flows from the connection as specified in N.J.A.C. 7:14A-23.3 "Projected Flow Criteria."*
 For your convenience, we have excerpted below the types of establishments, measurement units and projected use in gallons per day (gpd) from N.J.A.C. 17:14A-23.3

A) Fill In the Columns for the Criteria That Apply to this Application:

Type of Establishment	Measurement Unit	# of Units	Gallons per Day (GPD)	GPD/Type
Residential Dwellings (Single family homes, duplex units, townhouses, condominiums, apartments)				
1-bedroom unit	Per Dwelling	_____	150	_____
2-bedroom unit	Per Dwelling	_____	225	_____
3-bedroom unit or larger	Per Dwelling	_____	300	_____
Transit Dwelling Units				
Hotels	Per Bedroom	_____	75	_____
Lodging houses and tourist homes	Per Bedroom	_____	60	_____
Motels and tourist cabins	Per Bedroom	_____	60	_____
Boarding Houses (maximum permitted occupancy)	Per Boarder	_____	50	_____
Camps				
Campground/mobile recreational vehicle/tent	Per Site	_____	100	_____
Parked mobile trailer site	Per Site	_____	200	_____
Children's camps	Per Bed	_____	50	_____
Labor camps	Per Bed	_____	40	_____
Day camps – no meals	Per Person	_____	15	_____
Restaurants (including washrooms and turnover)				
Average restaurant	Per Seat	_____	35	_____
Bar/cocktail lounges	Per Seat	_____	20	_____
Fast food restaurant	Per Seat	_____	15	_____
24-hour service restaurant	Per Seat	_____	50	_____
Curb service/drive-in restaurant	Per Car Space	_____	50	_____
Clubs				
Residential	Per Member	_____	75	_____
Non-residential	Per Member	_____	35	_____
Racquet club	Per Court Hour	_____	80	_____
Bathhouse with shower	Per Person	_____	25	_____
Bathhouse without shower	Per Person	_____	10	_____
Institutions (includes staff)				
Hospitals	Per Bed	_____	175	_____
Other institutions	Per bed	_____	125	_____

GPD Subtotal: N/A



Form SCF-03

Type of Establishment	Measurement Unit	# of Units	Gallons per Day (GPD)	GPD/Type
Schools (includes staff)				
No shower or cafeteria	Per Student	_____	10	_____
With cafeteria	Per Student	_____	15	_____
With cafeteria and showers	Per Student	_____	20	_____
With cafeteria, showers and laboratories	Per Student	_____	25	_____
Boarding	Per Student	_____	75	_____
Automobile Service Stations				
Service Stations	Per Filling Position	_____	125	_____
Service bays	Per Bay	_____	50	_____
Mini-market	Per square foot	_____	0.100	_____
Miscellaneous				
Office buildings (gross area)	Per square foot	_____	0.100	_____
Stores and shopping centers (gross area)	Per square foot	_____	0.100	_____
Factories/warehouses (add process wastewater (ww))	Per employee	_____	25	_____
Factories/warehouses w/ showers (add process ww)	Per employee	_____	40	_____
Laundromats	Per machine	_____	580	_____
Bowling alleys	Per alley	_____	200	_____
Picnic parks (restrooms only)	Per person	_____	10	_____
Picnic parks with showers	Per person	_____	15	_____
Fairgrounds (based upon average attendance)	Per person	_____	5	_____
Assembly halls	Per seat	_____	3	_____
Airports (based on passenger use)	Per passenger	_____	3	_____
Churches (worship area only)	Per seat	_____	3	_____
Theater (indoor)	Per seat	_____	3	_____
Dinner theater	Per seat	_____	20	_____
Catering/banquet hall	Per person	_____	20	_____
Sports stadium	Per seat	_____	3	_____
Visitors center	Per visitor	_____	5	_____

B) Total Projected Flow in GPD* as calculated from above:	<u>43,200</u>	GPD
C) Rate (\$/GPD):	X	\$1.91/GPD
D) Connected Flow Fee =	<u>\$ 82,512</u>	
E) Administrative Fee (per application):	+	\$250.00
F) Total Connection Fee =	<u>\$ 82,762</u>	

NOTES:

1. BASE MAP WAS CREATED BY NIS EAST MAPPING, INC. DATED APRIL 13, 2003. ALL EXISTING UTILITIES WERE DERIVED BY PARSONS ON AUGUST 25, 2003 FROM A GRADING & UTILITIES PLAN CREATED BY GOODRICH ASSOCIATES DATED MARCH 2, 1966. THE 1966 MAP IS CONSISTENT WITH NIDOT AND PUBLIC WORKS MAPPING.
2. THIS DRAWING IS FOR INFORMATIONAL PURPOSES ONLY. ALL EXISTING UTILITY LOCATIONS ARE APPROXIMATE AND SHOULD BE FIELD VERIFIED.

LEGEND

RW-1

RECOVERY WELL

MW

EXISTING MONITORING WELL

MH-1

MANHOLE

SUMP-1

SUMP PUMP

POC

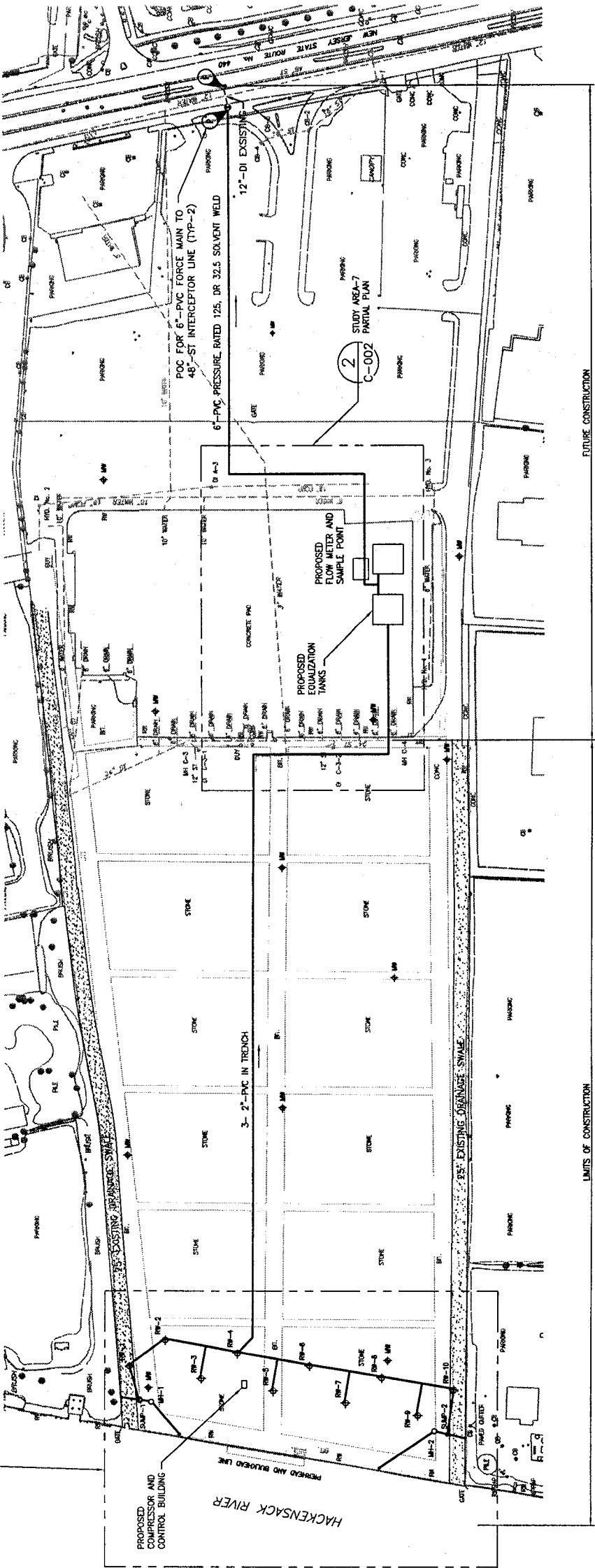
POINT OF CONNECTION

FM

FLOW METER

SPT

SAMPLE POINT LOCATION



STUDY AREA 7 PLAN
SCALE: 1" = 100'

HONEYWELL – RESTRICTED
PRINTS OF THIS DRAWING MAY NOT BE
RELEASED WITHOUT PRIOR APPROVAL

NOT FOR CONSTRUCTION
OR BIDDING

PRIVILEGED AND CONFIDENTIAL PREPARED AT THE REQUEST OF
COUNSEL

PARSONS
380 KLAUDOW ROAD, SUITE 310, LIVERPOOL, N.Y. 13090, PHONE 315-431-9800

STUDY AREA 7
PROPOSED SHALLOW GROUNDWATER AND
UNDERLINER FLOW COLLECTION PLAN

Honeywell
100 CONVENT ROAD, SUITE 100, LIVERPOOL, N.Y. 13090

JOB NO. 440869
CONTRACTOR'S JOB NO.

SCALE AS SHOWN

SER 02/17/04
DATE 04/17/04
DATE 04/17/04

440869-C-001
PLOT FACTOR: 1 = 1

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ANY VIOLATION WHETHER WILLFUL OR NEGLIGENT.

NO. REVISION

NO.	REVISION	DATE	NO.
A	ISSUED FOR REVIEW	2/27/04	

BY APPR. APPR. APPR. DATE

BY	APPR.	APPR.	APPR.	DATE
SEH	MTG			

REFERENCE

DWG. NO.

APPROVALS	DATE

CONTRACTOR'S JOB NO.

SCALE	AS SHOWN